

SMOKE MANAGEMENT ACROSS THE LANDSCAPE

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USDA Forest Service Southern Research
Station

Arkansas, Oklahoma & Texas Stateline
Meeting
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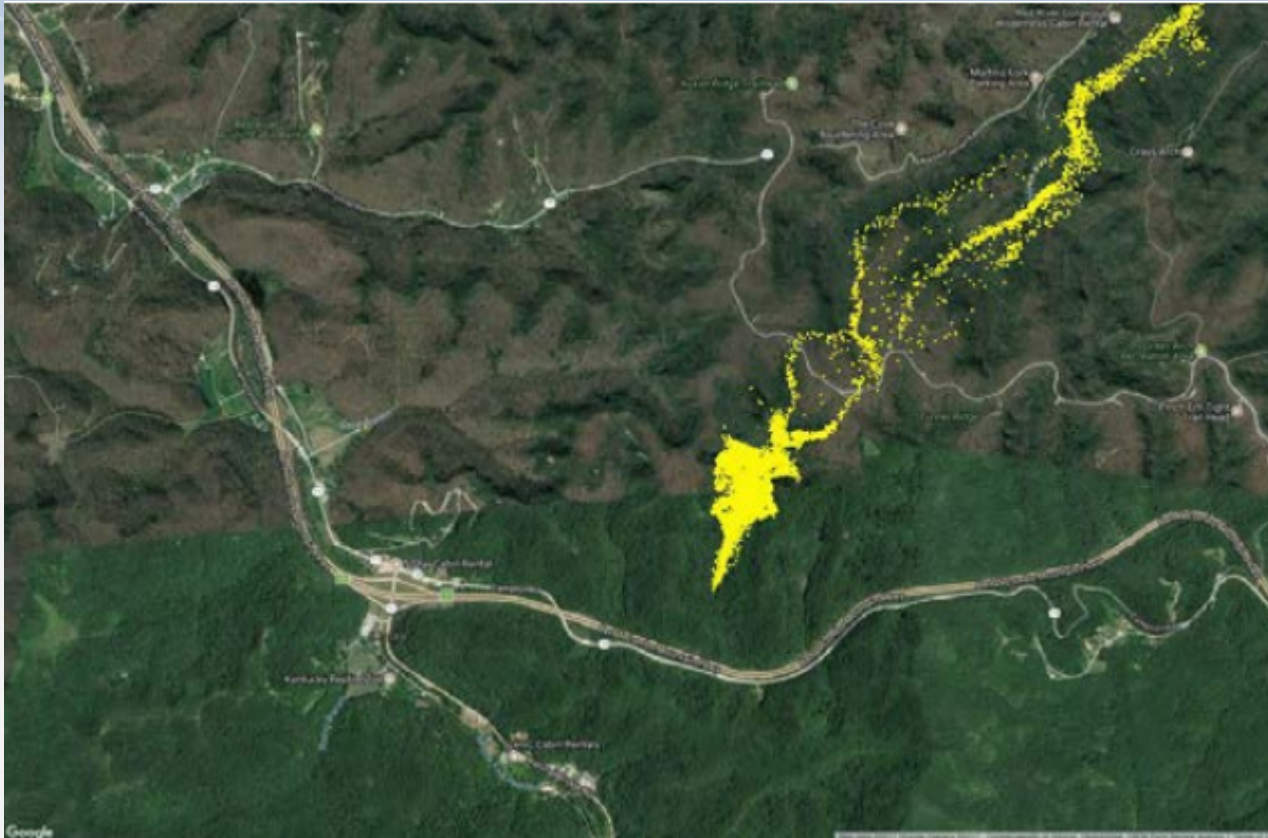
SMOKE MANAGEMENT



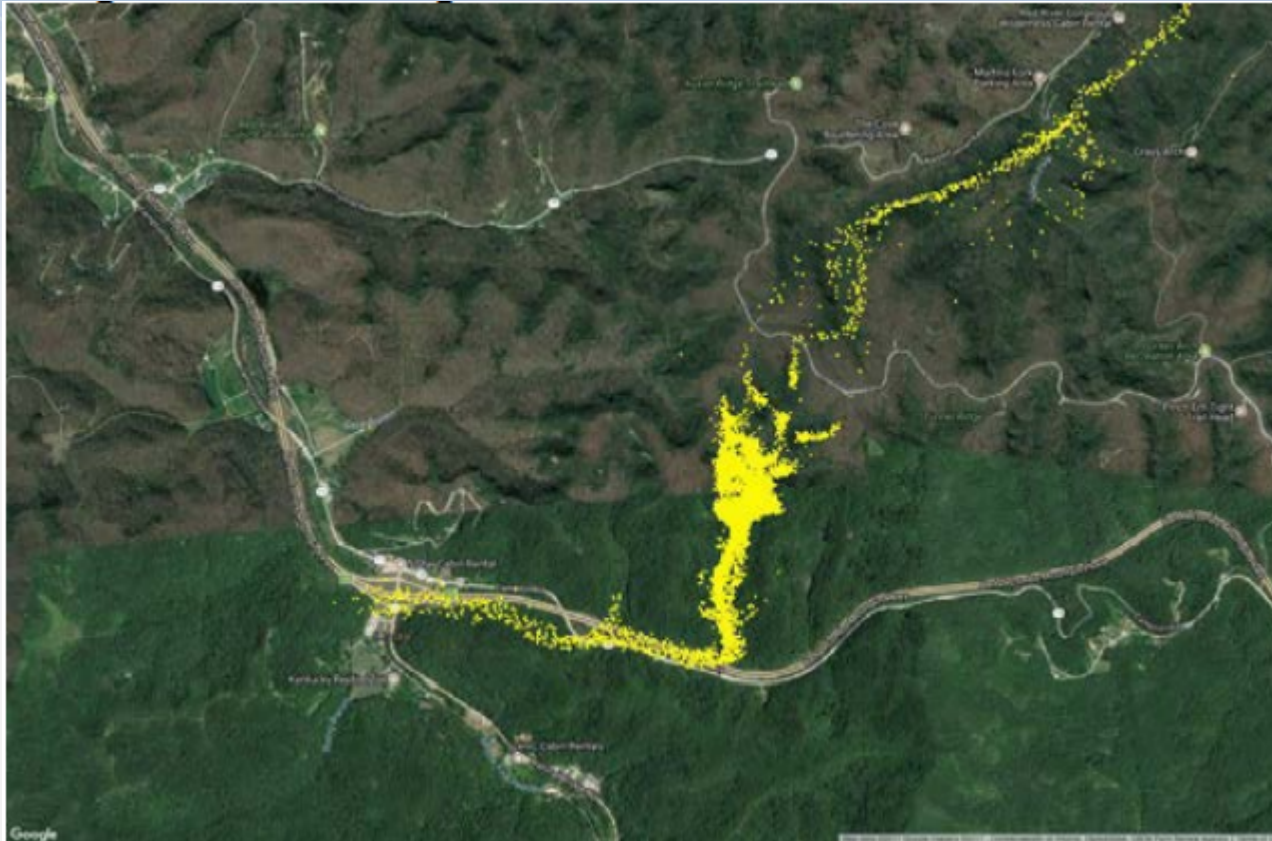
PREDICTING SMOKE AT NIGHT



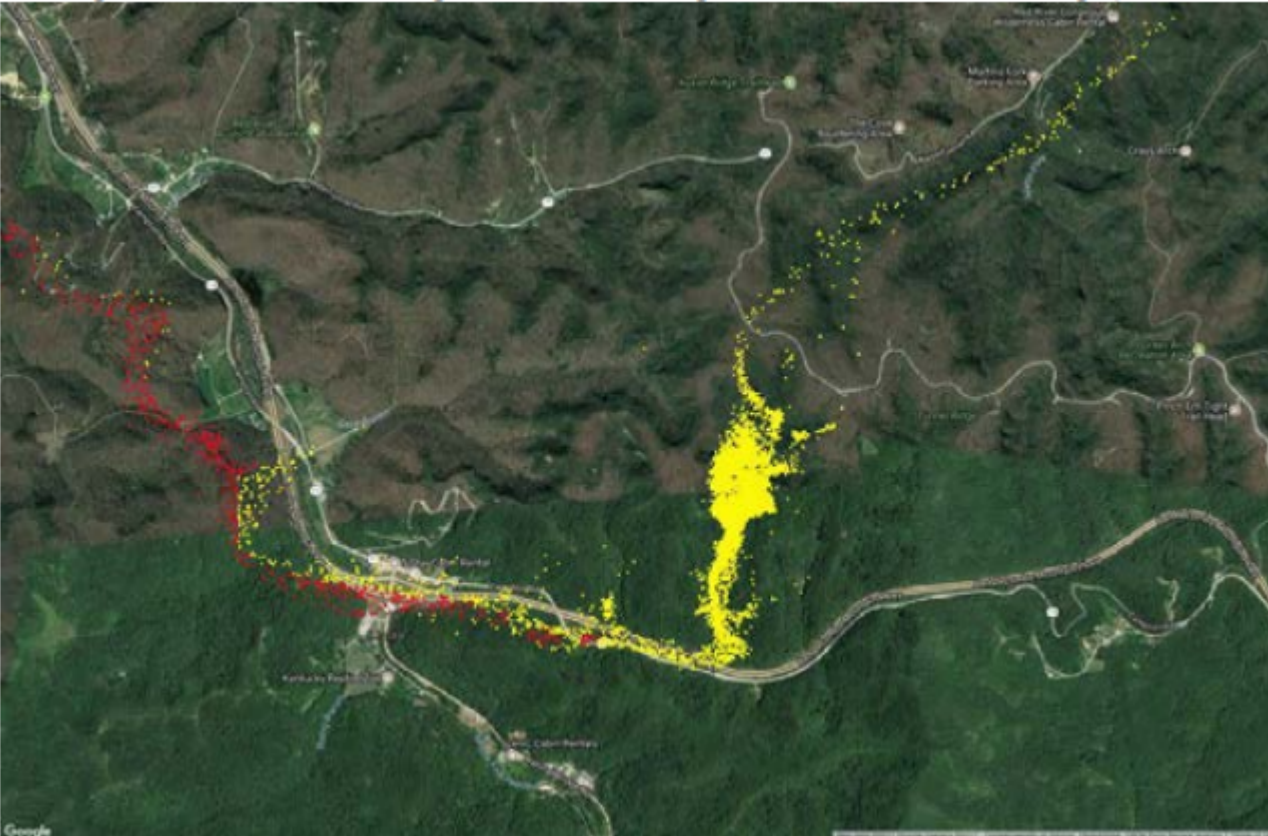
PREDICTING SMOKE AT NIGHT



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PREDICTING SMOKE AT NIGHT



https://cefa.dri.edu/PB_Piedmont/

PB-Piedmont

[Model](#)

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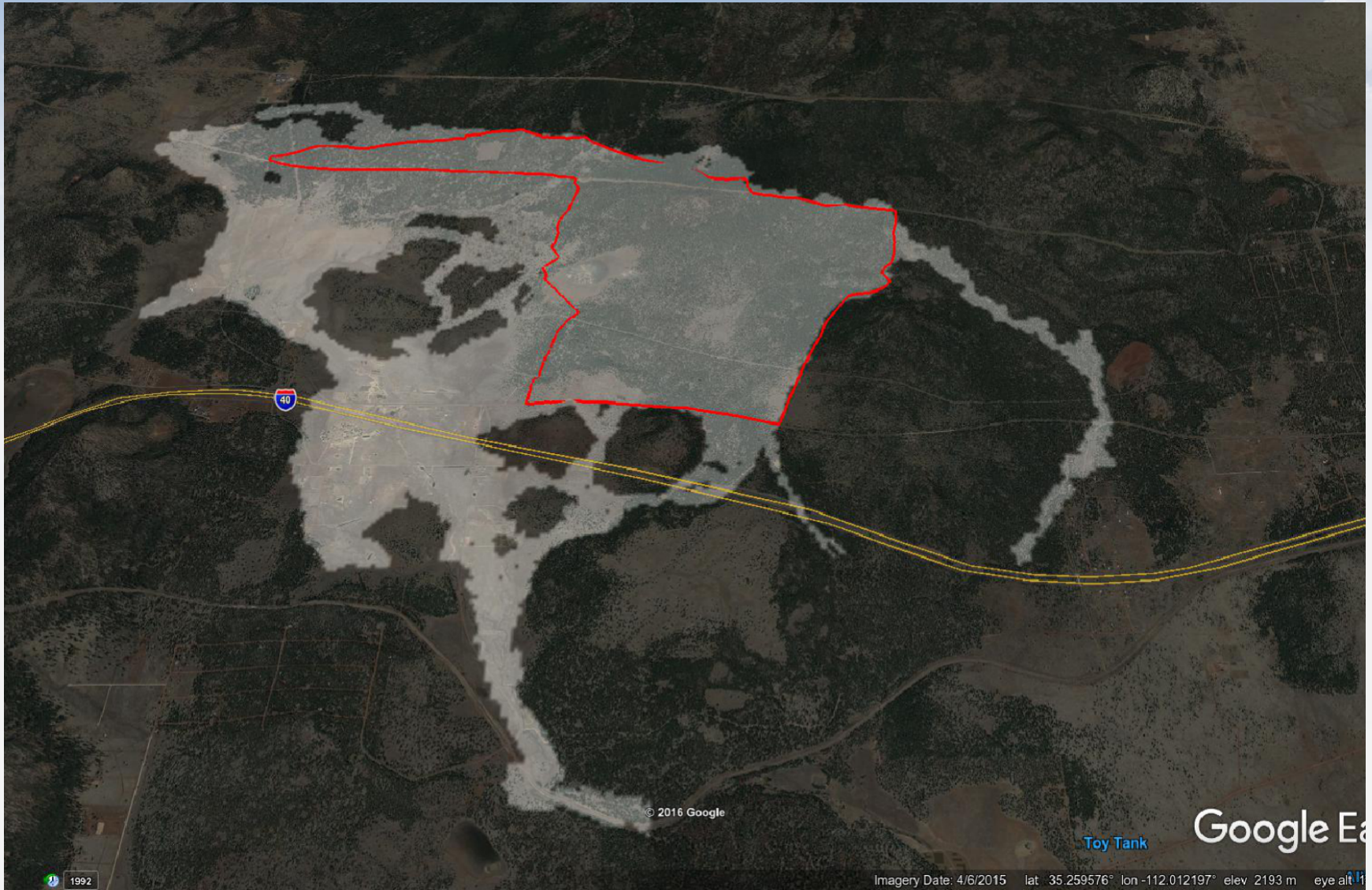
Click on map above to select location of ignition ?

Location of Ignition: ° latitude

° longitude

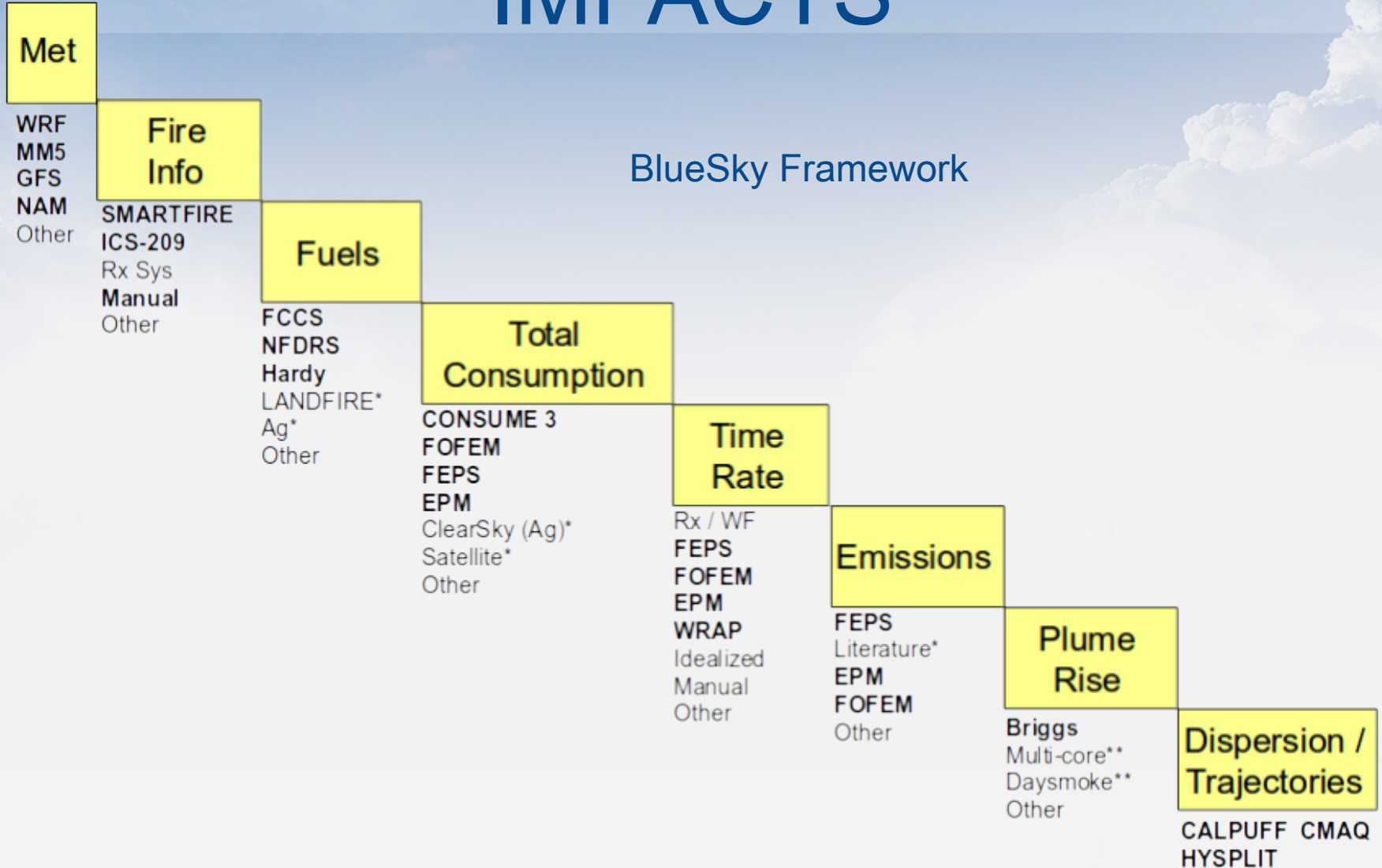
time zone:

PLANNING TOOL FOR SMOKE AT NIGHT

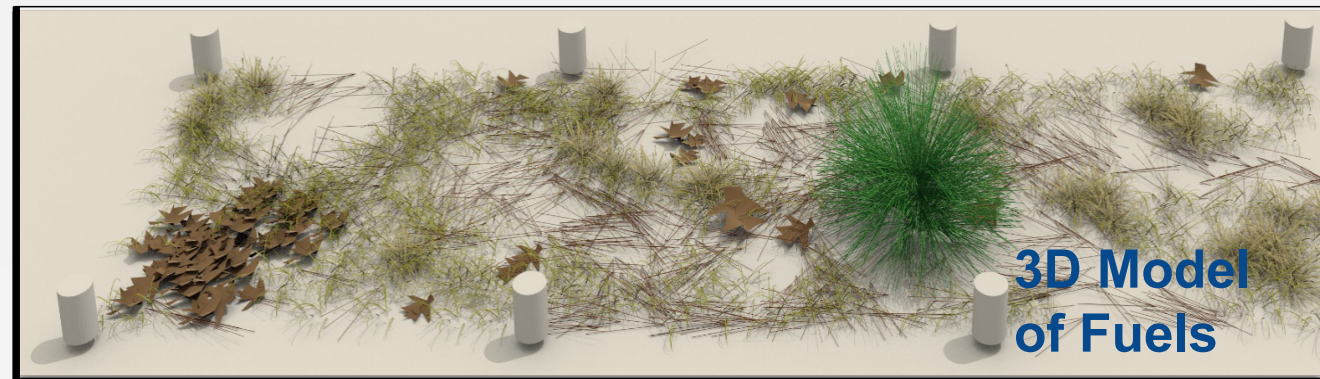
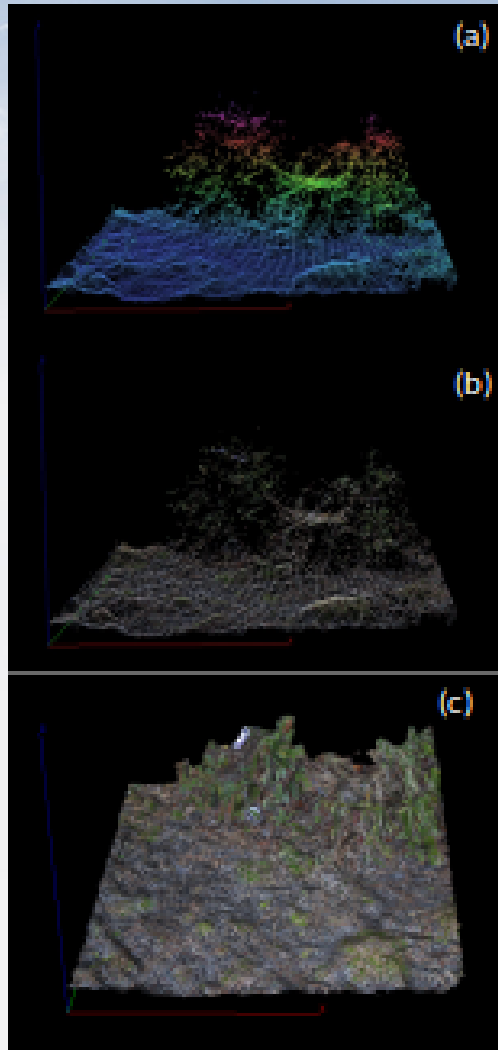


MODELING AIR QUALITY IMPACTS

BlueSky Framework

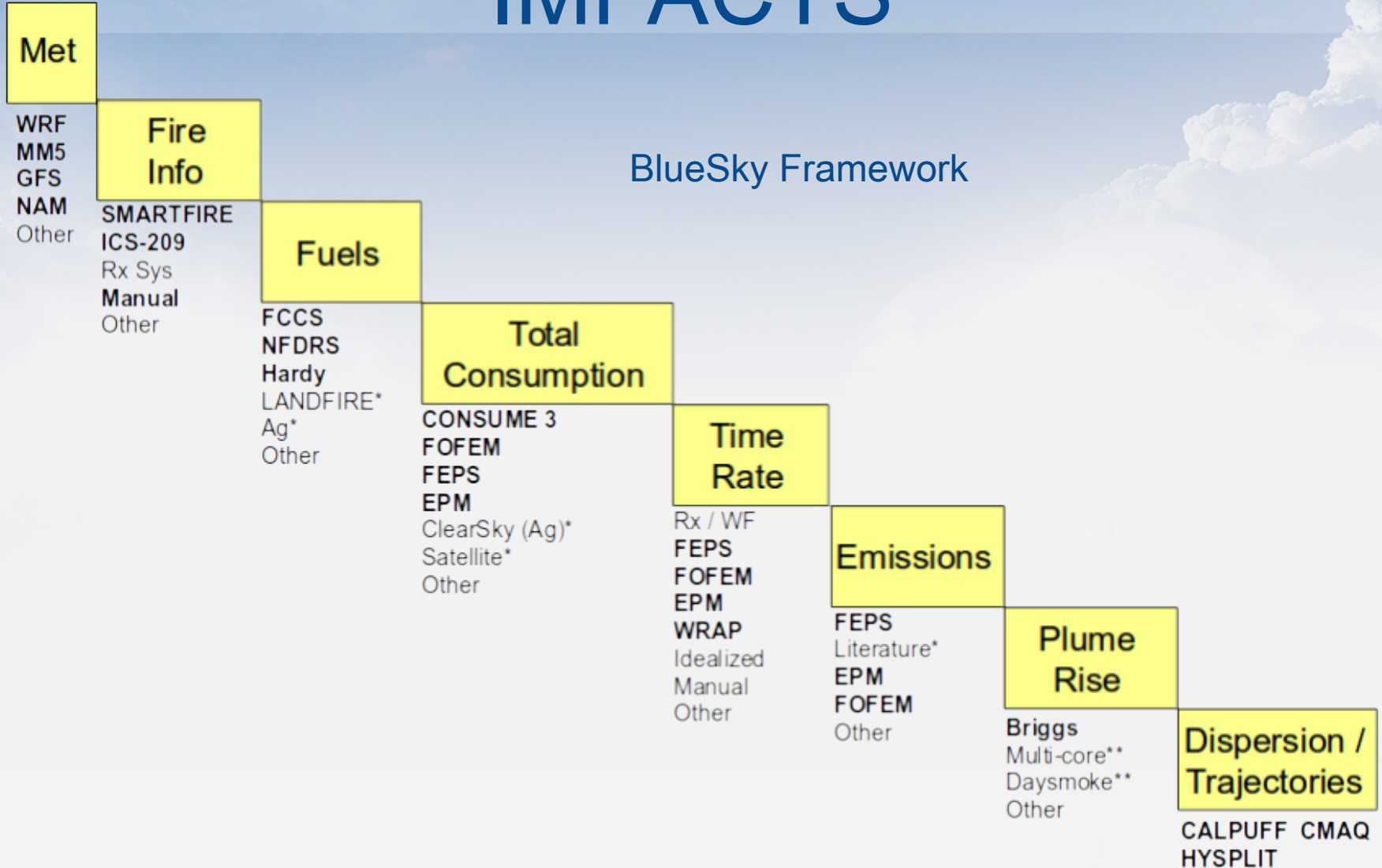


ASSESSING FUEL LOADS



MODELING AIR QUALITY IMPACTS

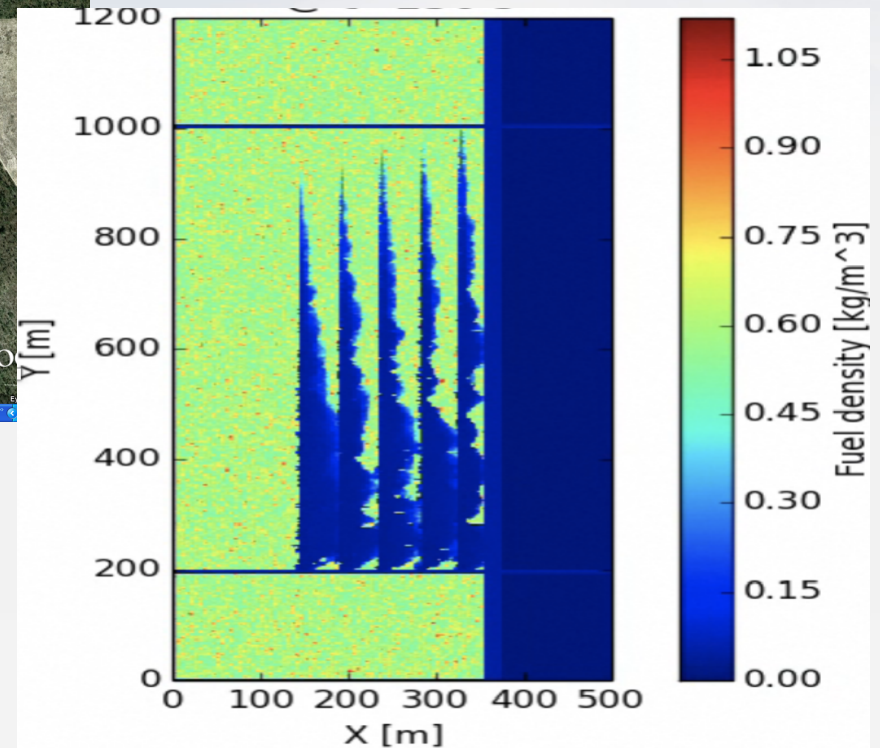
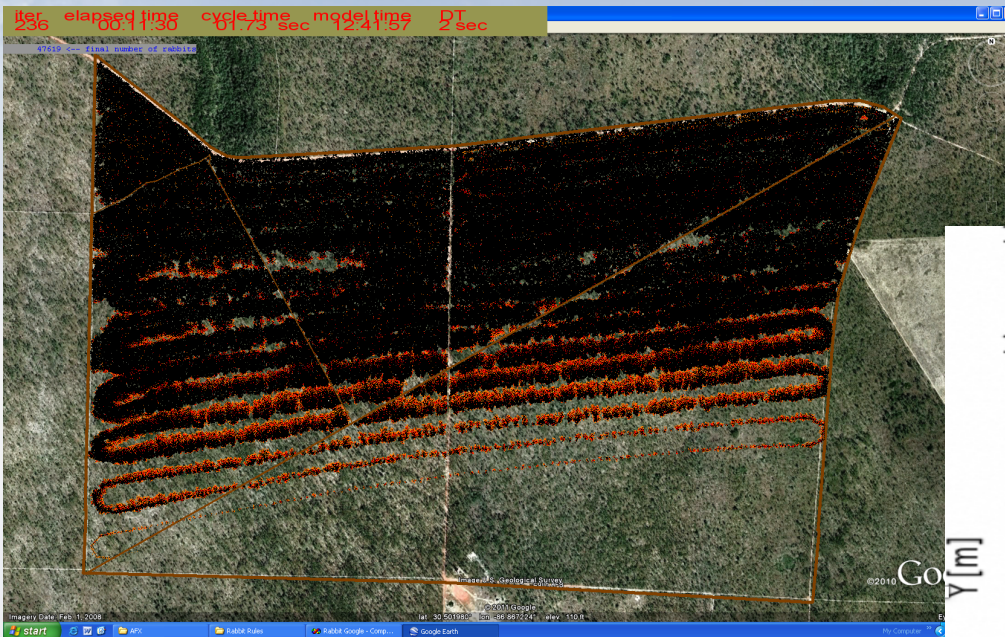
BlueSky Framework



Linking Fire Behavior & Smoke



LINKING FIRE BEHAVIOR & SMOKE



Partnership with Los Alamos
National Laboratory

AIR QUALITY & HUMAN HEALTH

New partnership with CDC

Examine trade offs between wildfires and prescribed fires

Multiple studies in planning stage

- 2007 Okefenokee Fires

- 2016 Appalachian Fires

- Long term study of wildfires vs prescribed fires in Florida